

Notice of Allowability

Application No.

09/877,470

Examiner

Norman M. Wright

Applicant(s)

NHU-HA YUP

Art Unit

2134

Notice of Allowability
The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
herein (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an application filed 6/8/01.
2. ☒ The allowed claim(s) is/are 1-52.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 7/10/01 & 7/21/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Norman M. Wright
Primary Examiner
Art Unit: 2134

Drawings

1. The drawings were received on 10/9/01. These drawings are informal, and formal drawings are due now, as the application has been allowed. In order to avoid abandonment of this application, correction is required in reply to the Office action. The correction will not be held in abeyance.

Allowable Subject Matter

2. Claims 1-52 are allowed.

REASONS FOR ALLOWANCE

3. The following is an examiner's statement of reasons for allowance: a search of the prior art fails to teach or render as obvious the claims as a whole, and of particular note the features of having hardware implementation for encryption systems that utilize plural channels, as recited in claims 1, 16, 36, and 38; additionally, it fails to teach the generation of round keys on the fly for decryption processes, as recited in claims 33, and 38; nor does it teach a circuit for implementing the use of S-boxes and inverse S-boxes data transformation values without using a table or generating the S-boxes, as recited in claim 29 and 36.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

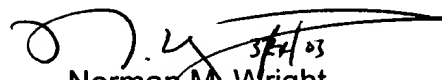
Art Unit: 2134

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Norman M. Wright whose telephone number is (703) 305-9586. The examiner can normally be reached on 5/4/9 compressed week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Morse can be reached on (703) 308-4789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

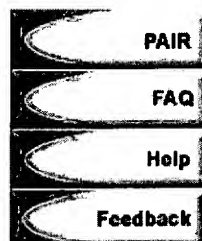
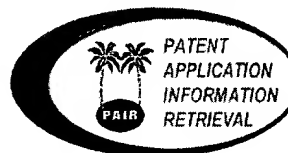

Norman M. Wright
Primary Examiner
Art Unit 2134



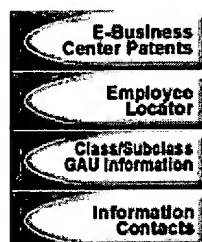
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PATENT APPLICATION INFORMATION RETRIEVAL



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Search results as of: 4-5-2005::16:24

Search results for application number:09/877,470			
Application Number:	09/877,470	Customer Number:	28120
Filing or 371(c) Date:	06-08-2001	Status:	Allowed -- Notice of Allowance Mailed -- Issue Revision Completed
Application Type:	Utility	Status Date:	03-28-2005
Examiner Name:	WRIGHT, NORMAN M	Location:	ELECTRONIC
Group Art Unit:	2134	Location Date:	-
Confirmation Number:	9879	Earliest Publication No:	US 2002-0191784 A1
Attorney Docket Number:	211139.90085	Earliest Publication Date:	12-19-2002
Class/ Sub-Class:	380/037	Patent Number:	-
First Named Inventor:	Nhu-Ha Yup, Phoenix, AZ (US)	Issue Date of Patent:	-
Title Of Invention:	CIRCUIT AND METHOD FOR IMPLEMENTING THE ADVANCED ENCRYPTION STANDARD BLOCK CIPHER ALGORITHM IN A SYSTEM HAVING A PLURALITY OF CHANNELS		

Select Search Option

Assignments	<input type="checkbox"/>	Search
Continuity Data	<input type="checkbox"/>	
Display References	<input type="checkbox"/>	
Image File Wrapper	<input type="checkbox"/>	
Patent Term Adjustment History	<input type="checkbox"/>	
Publication Review	<input type="checkbox"/>	

File History	
Date	Contents Description
03-28-2005	Mail Notice of Allowance
03-28-2005	Mail Formal Drawings Required
03-24-2005	Issue Revision Completed
03-22-2005	Correspondence Address Change
03-22-2005	Correspondence Address Change
03-22-2005	Change in Power of Attorney (May Include Associate POA)
01-22-2003	Information Disclosure Statement (IDS) Filed
09-10-2001	Information Disclosure Statement (IDS) Filed

03-21-2005	Formal Drawings Required
03-21-2005	Notice of Allowance Data Verification Completed
03-21-2005	Notice of Allowability
11-13-2004	IFW TSS Processing by Tech Center Complete
09-10-2001	Information Disclosure Statement (IDS) Filed
09-27-2004	Case Docketed to Examiner in GAU
07-03-2003	Case Docketed to Examiner in GAU
01-22-2003	Information Disclosure Statement (IDS) Filed
02-10-2002	Case Docketed to Examiner in GAU
11-06-2001	Application Dispatched from OIPE
11-02-2001	Application Is Now Complete
08-06-2001	Correspondence Address Change
06-19-2001	IFW Scan & PACR Auto Security Review
06-08-2001	Initial Exam Team nn

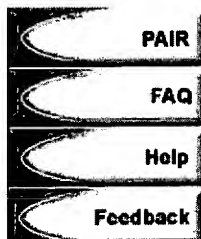
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PATENT APPLICATION INFORMATION RETRIEVAL



Patent Assignment Abstract of Title

Total Assignments: 1

Application #: 09877470 Filing Dt: 06/08/2001

Patent #: NONE

Issue Dt:

PCT #: NONE

Publication #: US20020191784

Pub Dt: 12/19/2002

Inventors: Nhu-Ha Yup, Satish N. Anand

Title: CIRCUIT AND METHOD FOR IMPLEMENTING THE ADVANCED ENCRYPTION STANDARD BLOCK CIPHER ALGORITHM IN A SYSTEM HAVING A PLURALITY OF CHANNELS

Assignment: 1

Reel/Frame: 011907/0894

Received:
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06/08/2001Mailed:
08/29/2001Pages:
3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors: YUP, NHU-HA

Exec Dt: 06/08/2001

ANAND, SATISH N.

Exec Dt: 06/08/2001

Assignee: CORRENT CORPORATION

1711 W. GREENTREE DRIVE, SUITE 201

TEMPE, ARIZONA 85284

Correspondent: QUARLES & BRADY STEICH LANG, LLP

PAUL D. AMROZOWICZ

ONE RENAISSANCE SQUARE

TWO NORTH CENTRAL AVENUE

PHOENIX, AZ 85004

Search Results as of: 4/5/2005 4:25:12 P.M.

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